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IN THE CLAIMS

Please amend the Claims as follows:

(Currently Amended) An implant material injection system, the system

comprising:

a pressure driver, and a separate container for implant material, wherein said driver and

said separate container are adapted to form a sealed pressure-tight interface between each other,

said pressure driver comprising a piston and a sleeve, wherein said piston and said sleeve

are adapted to draw implant material from the separate container into at least a portion of a

chamber defined by said sleeve upon retracting said piston and to expel implant material from

said pressure driver drive at a pressure level upon advancing said piston; and

a remote actuator connected to said pressure driver.

(Original) The system of claim 1, wherein said pressure level reaches at least 10

psi.

3. (Original) The system of claim 1, wherein said pressure level does not exceed

120 psi.

(Cancelled).

5. (Cancelled)

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(Currently Amended) The system of claim 1[[5]], wherein said remote actuator

comprises first and second grip portions and is adapted to drive said piston by reciprocal

movement of said grip portions relative to each other.

7. (Original) The system of claim 6, wherein said movement of said actuator

corresponds 1 to 1 with movement of said piston.

8. (Original) The system of claim 7, wherein a cable set within a housing connects

said actuator and said pressure driver.

9. (Original) The system of claim 8, wherein said cable is about 36 inches in length

or more

10. (Currently Amended) The system of claim 7[[91], wherein said cable is about 48

inches long.

11. (Original) An implant material injection system, the system comprising:

a pressure driver, a container for implant material, and a remote actuator connected to

said pressure driver,

said pressure driver comprising a piston and a sleeve, wherein said piston and said sleeve

are adapted to draw implant material into at least a portion of a chamber defined by said sleeve

upon retracting said piston and to expel implant material from said pressure drive at a pressure

level upon advancing said piston.

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said remote actuator comprising first and second grip portions and being adapted to drive

said piston by reciprocal movement of said grip portions relative to each other.

12. (Original) The system of claim 11, wherein said movement of said actuator

corresponds 1 to 1 with movement of said piston.

13. (Original) The system of claim 12, wherein a cable set within a housing connects

said actuator and said pressure driver.

14. (Original) The system of claim 11, wherein a remote connection between said

remote actuator and said pressure drivers is about 36 inches or more long.

15. (Original) The system of claim 11, wherein said pressure level reaches at least

about 10 psi.

16. (Original) The system of claim 11, wherein said pressure level does not exceed

about 120 psi.

17. (Currently Amended) An implant material injection system, the system

comprising:

a pressure driver, a container for implant material, and a means for remote actuation of

said pressure driver,

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said pressure driver comprising a piston and a sleeve, wherein said piston and said sleeve are adapted to draw implant material into at least a portion of a chamber defined by said sleeve

upon retracting said piston and to expel implant material from said pressure drive at [[a t]] a

pressure level upon advancing said piston.

18. (Original) A method of delivering flowable implant material, the method

comprising:

providing an implant material injection system comprising a pressure driver and

container for implant material;

connecting said pressure driver to a cannula emplaced at a location for implant material

delivery;

loading implant material into said pressure driver;

driving material from said pressure driver into said implant material location;

again loading implant material into said pressure driver; and

again driving material from said pressure driver into said implant material location.

(Currently Amended) The method of claim 18 [[1]], wherein said implant

material injection system further comprises a remote actuator connected to said pressure driver,

and the method further comprises:

withdrawing a first portion of said actuator relative to a second portion of said actuator to

effect said loading; and

advancing said first portion toward said second portion to effect said driving.

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20. (Currently Amended) The method of claim 19, wherein said [[aid]] withdrawing

and said advancing is performed at about 36 inches or greater from said location for implant

material.

21. (Original) The method of claim 19, wherein a cable within a housing is provided

to connect said remote actuator to said pressure driver.

22. (Original) The method of claim 19, wherein a pressure level for driving said

implant material reaches at least about 10 psi.

23. (Original) The method of claim 19, wherein a pressure level for driving said

implant material does not exceed about 120 psi.

24. (New) The system of claim 1, further comprising a link connecting the remote

actuator and said pressure driver, the link comprising a fluid column adapted to advance and

retract the piston.

25. (New) An implant material injection system adapted for performing a

percutaneous vertebroplasty procedure comprising:

a remote actuator;

a pump comprising a piston and a drive chamber, the pump having a distal end adapted to

connect with a cannula, the drive chamber adapted to hold implant material, the piston adapted to

drive the implant material through the distal end of the drive chamber to an implant site;

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a control line connecting the remote actuator and the pump, the control line adapted to

advance the piston; and

wherein the implant material comprises a flowable hard tissue implant material.

26. (New) The system of Claim 25 wherein the control line comprises a fluid column

adapted to advance the piston.

27. (New) The system of Claim 26 wherein the control line has a length of about one

foot.

28. (New) The system of Claim 26 wherein the control line has a length of about 36

inches.

29. (New) The system of Claim 26 wherein the control line has a length of at least 36

inches.

30. (New) The system of Claim 26 wherein the control line has a length of about 48

inches.

31. (New) The system of Claim 26 wherein the control line has a length greater than 48

inches.

32. (New) The system of Claim 26 further comprising a cannula removably connected

with the distal end of the drive chamber.

33. (New) The system of Claim 25 further comprising an implant material reservoir

connected with the pump, the pump adapted to draw implant material from the material reservoir

into the drive chamber.

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34. (New) The system of Claim 25 wherein the implant material comprises

Polymethylmethacrylate.